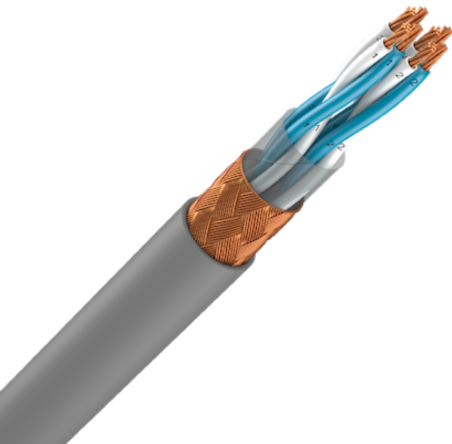




CONTACT

Market information
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INSTRUMENTATION, CONTROL and COMMUNICATION cables

STANDARDS

Product IEC 60228

Installation IEC 60092-350; IEC 60092-360; IEC 60092-376

Test IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 60754-2; IEC 61034

APPLICATION

TCX® (C) 150/250 V armoured twisted pair cables are used for telecommunication and instrumentation purposes. These cables show a low transfer impedance in low frequency and an effective screening in high frequency, making them very suitable for polluted electromagnetic surroundings. TCX® (C) cables are also selected where enhanced mechanical protection is required. Designed with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risks of fire.

Design

- 1. Conductor**
Stranded bare copper class 2
- 2. Insulation**
XLPE(cross-linked polyethylene)
- 3. Assembling**
Polyester tape
- 4. Armour**
Bare copper braid
- 5. Outer sheath**
Polyolefin SHF1
Colour : grey

Example of marking:

LYNXEO 279 TCX (C) Nbr of pairs/triads & cross-section 150/250V 90C IEC 60092-376
IEC 60332-3-22 Cat.A WW YYYY *CE* Manufacturing n°+ metric marking

Core identification

Pair: white / blue with printed pair number

Triad: white / blue / red with printed triad number



Halogen free
IEC 60754-1



Rated Voltage U_0/U
(Um)
150 / 250 (300) V



Fire retardant
EN IEC 60332-3-22
(cat A)



Flame retardant
IEC 60332-1



Smoke density
IEC 61034



Gases corrosivity
IEC 60754-2



Electro magnetic
interference
resistance
Yes



Operating temp.
-30 ... 80 °C

CHARACTERISTICS

Construction characteristics

Halogen free	IEC 60754-1
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Electrical characteristics

Rated Voltage U _o /U (U _m)	150 / 250 (300) V
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Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Flame retardant	IEC 60332-1
Smoke density	IEC 61034
Gases corrosivity	IEC 60754-2
Electro magnetic interference resistance	Yes
Operating temperature, range	-30 ... 80 °C
Max. conductor temperature in service	90 °C

PRODUCTS LIST

Reference	Cross section [mm²]	nb pairs	nb triples	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10170056	0.75	-	1	7.1	7.6	8.1	78
	0.75	-	2	11.0	11.1	13.0	150
	0.75	-	4	12.8	12.5	14.5	225
10170057	0.75	1	-	6.9	7.4	8.0	72
10170060	0.75	2	-	7.6	8.2	8.8	97
10170063	0.75	4	-	12.0	12.8	13.8	186
10170096	0.75	7	-	14.0	15.1	16.2	237
10170100	0.75	10	-	16.9	18.1	19.5	385
10170101	0.75	14	-	18.8	20.2	21.6	505
10170103	0.75	19	-	21.3	22.9	24.5	641
10170124	0.75	24	-	23.5	25.3	27.1	757
	0.75	30	-	25.5	27.6	28.5	904
10170125	1.5	1	-	8.0	8.64	9.2	97
10170126	1.5	2	-	9.4	9.9	11.0	149
10170128	1.5	4	-	14.2	15.3	16.4	323
10281141	1.5	7	-	17.0	18.3	19.6	474
10284268	1.5	10	-	19.8	21.3	22.8	637
10210836	1.5	14	-	22.0	23.7	25.4	835